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Please RSVP for the Manure Application Field Day by July 9th.

Update on Steven's WRP project.

Taking Manure Samples

Open lot manure samples were collected from Todd Shannon's feedlot in early June. These samples will be analyzed by a lab and the nutrient analysis results will be used for discussion purposes during the Manure Application Field Day to be held at Shannon's in July. To collect the sample, manure was scraped across the concrete with a shovel into a small pile, mixed together and then

placed into a 5 gallon bucket. A final composite sample was collected in a small plastic bag from the bucket. Another sample was also collected from an area of stock piled manure. For more information on manure sampling reference ISU Extension Publication PM 1588

"How to Sample Manure for Nutrient Analysis."



Angela Rieck-Hinz -Extension Program Specialist Iowa Manure Management Action Group collecting manure samples.

Manure Application Field Day

The Elk River Water Quality Project is hosting a Manure Application Field Day for open feedlot cattle producers at Todd Shannon's farm located southeast of Miles at 502 525th Ave on Wednesday July 11th. Rain date is Friday July 13th. This is an opportunity for producers to learn about the value of open feedlot manure in terms of nutrients and manure application. Topics to be presented include:

- ⇒ Phosphorus content in manure from feeding distillers grains
 - ⇒ Sampling manure and what this means in terms of \$ for replacing commercial fertilizer
 - ⇒ A hands on manure application and spreader calibration demonstration. Learn how to figure how many tons of manure per acre you are applying.
- The field day will begin at noon with a lunch pro-

vided by Clinton County SWCD. Burgers will be prepared by the Jackson County Cattlemen's. The program will start at 12:45 p.m. Please RSVP by calling (563) 659-3456 ext 3 by July 9th. The event is being held in cooperation with the Clinton County Soil & Water Conservation District, Iowa State University Extension, Natural Resources Conservation Service and the Iowa Manure Management Action Group.

Mark Your Calendar

Manure Application Field Day

Wednesday July 11th
Rain date July 13th

Noon - lunch
12:45 p.m. - program

RVSP by July 9th by
calling (563) 659-3456
ext 3

Excavation Work has Begun

Shallow water excavation has begun on property owned by Tom Stevenson on Elk River bottoms near Hwy 67. A portion of the property consisting of approximately 88 acres has been enrolled in a permanent easement through the Wetland Reserve Program (WRP). The purpose of the WRP is the restoration of wetlands that were previously altered for agricul-

tural use. I asked Tom, "Why did you chose to enroll the property in the WRP program?" Tom replied with several reasons. He stated that the biggest reason, even though the field has been tiled, is problems caused by iron ochre. Iron ochre is a red, yellow, or tan iron sludge deposit formed in association with bacteria in the soil. Ochre deposits are often

found in wet soils and can clog tile drains. Tom stated he is "tired of fighting mother nature" and he "never gets an average yield." Tom contacted the Natural Resources Conservation Service after his son ,who was interested in wildlife, asked him to check into the program.



Update on Monitoring

The Water Monitoring and Assessment Section of the Iowa Department of Natural Resources along with contracted staff from the University Hygienic Laboratory will be turning to Elk River to complete another

biological assessment. This assessment will measure fish and benthic macro invertebrates (aquatic insects that live on the stream bottom) and will be compared to the last biological assessment, which was com-

pleted in 1999. A site near Teeds Grove and one additional site within the watershed will be sampled. The sampling is planned to take place sometime during the months of July-October.

This project is supported in part by the Iowa Department of Agriculture and Land Stewardship, Division of Soil Conservation, through funds of the Water Protection Fund, Watershed Protection Fund, Watershed Improvement Review Board, and by the Iowa Department of Natural Resources through a grant from the EPA under Section 319 of the Clean Water Act. Technical assistance provided by NRCS. Federal regulations prohibit discrimination on the basis of race, color, national origin, sex, or handicap. An Equal Opportunity Employer.



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